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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,275	12/02/2003	Hui-Kai Chou	ADTP0112USA	1274
27765	7590	05/18/2005	EXAMINER	
NORTH AMERICA INTERNATIONAL PATENT OFFICE (NAIPC) P.O. BOX 506 MERRIFIELD, VA 22116			TRAN, THUY V	
			ART UNIT	PAPER NUMBER
			2821	

DATE MAILED: 05/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/707,275	CHOU, HUI-KAI	
	Examiner	Art Unit	
	Thuy V. Tran	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on amendment submitted on 03/07/2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

This is a response to the Applicant's amendment submitted on 03/07/2005. In virtue of this amendment, claims 1-11 are now presented in the instant application.

#### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Yajima et al.

(Pub. No.: US 2001/0050735 A1).

With respect to claim 1, Yajima et al. discloses, in Fig. 19, a backlight source disposed under a display panel, the backlight source comprising a plurality of parallel U-shaped lamps [35]; each of the U-shaped lamps has an inner surface, an outer surface, and a high voltage electrode [35c] and a low voltage electrode [35d]; each of the U-shaped lamps being bent in a reverse direction to the adjacent U-shaped lamps so that the high voltage electrodes [35c] are disposed on two sides (left and right sides) of the display panel.

With respect to claim 2, Yajima et al. discloses that the backlight source is installed in a direct-type backlight panel unit (which is television; see paragraph [0001], line 3-4).

With respect to claim 3, Yajima et al. discloses, in Fig. 13, that the direct-type backlight unit comprises a diffuser [52] disposed between the display panel and the plurality of the U-shaped lamps [35] for scattering a light source generated by the plurality of the U-shaped lamps to the display panel, a light diffuser plate [50] disposed between the diffuser [52] and the

Art Unit: 2821

plurality of the U-shaped lamps [35] for transmitting the light source to the diffuser [52], and a reflecting plate [36] disposed under the plurality of the U-shaped lamps [35] for reflecting the light source to the light diffuser plate [50].

With respect to claim 4, Yajima et al. discloses, in Fig. 13, that the direct-type backlight panel unit further comprises a housing [500] disposed under the reflecting plate [36] for surrounding the reflecting plate [36], and a bezel [800] for assembling the display panel and the backlight source.

With respect to claim 5, Yajima et al. discloses that the U-shaped lamp is a cold cathode fluorescent lamp (CCFL) (see paragraph [0008], line 4).

With respect to claim 6, Yajima et al. discloses, in Fig. 19, that the neighboring U-shaped lamps [35] alternately face two opposite sides of the display panel.

With respect to claim 7, Yajima et al. discloses, in Fig. 19, that the inner surface of the U-shaped lamp [35] is adjacent to the inner surface of an adjacent U-shaped lamp [35].

With respect to claim 8, Yajima et al. discloses, in Fig. 19, that the outer surface of the U-shaped lamp [35] is adjacent to the outer surface of an adjacent U-shaped lamp [35].

With respect to claim 9, Yajima et al. discloses, in Fig. 31C and 31F, that the backlight source further comprises a power supply [PS] for providing current and a control circuit (including a transformer and an inverter; see Fig. 31F) electrically connected to the power supply for driving the backlight source.

With respect to claim 10, Yajima et al. discloses, in Fig. 31F, that the control circuit comprises one inverter electrically connected to the high voltage electrode [35c] and the low voltage electrode (to the ground or 35d) of the corresponding U-shaped lamp.

Art Unit: 2821

With respect to claim 11, Yajima et al. discloses, in Fig. 31F, that the inverter comprises a direct current/alternating current (DC/AC) inverter.

***Remarks and conclusion***

3. Applicant's arguments with respect to amended claim 1 have been considered but are moot in view of the new ground(s) of rejection.

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

***Inquiry***

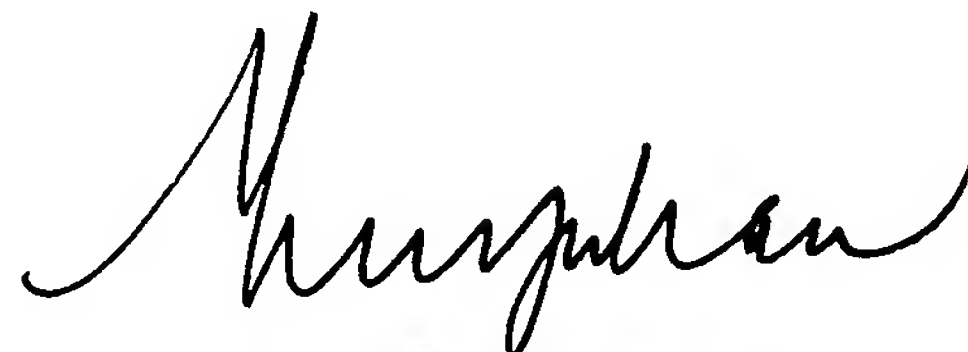
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuy V. Tran whose telephone number is (571) 272-1828. The examiner can normally be reached on M-F (8:00 AM -5:00 PM).

Art Unit: 2821

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

05/15/2005



**THUY V. TRAN**  
**PRIMARY EXAMINER**